

**Abstract of the Invention**

A system for analyzing diagnostic information associated with a spin track is provided. The system includes one or more analysis systems that collect diagnostic information from one or more spin tracks. The system further includes one or more  
5 maintenance systems that schedule routine and/or special maintenance based on analysis of the diagnostic information. An alternative aspect of the system further includes one or more control information systems that generate of feedback control information employed in adapting the processes performed by the spin track.